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U.S. Application No. 09/995,648 Art Unit 2131
Response to March 18, 2005 Office Action

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A client-server computer system for use with web-based applications comprising:

a computer system running one or more web browsers capable of processing web forms;

a web server capable of processing Java code and web-based forms;

a storage mechanism coupled to said computer system, wherein said web server is used for validating data with information compiled from said storage mechanism; and

validation rules stored in said storage mechanism, the validation rules comprising at least three hierarchically organized views, with each view utilizing an execution sequence of validation methods.

2. (Currently Amended) A client-server computer system according to claim 1, wherein said validation rules are organized as a table-based system ~~web server further comprises an application for compiling at least one Java page using validation rules from said storage schema.~~

3. (Currently Amended) A client-server computer system according to claim 1, wherein the data to be validated is sorted according to a highest priority view ~~web server calls a plurality of Java servlet methods including getValidationSet(String ApplicationName, String Application Version, String Application User) method and doValidation(String tag, String value) method.~~

4. (Currently Amended) A client-server computer system according to claim 2 3, wherein the highest priority view contains data describing a name of the highest priority view and an application name, the application name differentiating field names from those in other applications ~~Java servlet methods are compiled into byte code files when the web server is started.~~

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5. (Currently Amended) A client-server computer system according to claim 4 3, wherein if the data to be validated does not contain an entry matching the highest priority view, then the data is sorted according to a second-highest priority view ~~the web server calls a plurality of Java servlet methods including getValidationSet(String ApplicationName, String Application Version, String Application User) method.~~
6. (Currently Amended) client-server computer system according to claim 5, wherein if the data to be validated does not contain an entry matching the second-highest priority view, then the data is sorted according to generic validation functions ~~wherein the web server calls a Java servlet method doValidation(String tag, String value).~~
7. (Currently Amended) A client-server computer system according to claim 2 5, wherein the validation rules check for a name of the second-highest priority view that matches a name of the highest priority view ~~said validation rules comprise at least three main views of hierarchical organized functions.~~
8. (Currently Amended) A client-server computer system according to claim 7 5, wherein the second-highest priority view contains data describing a generic string that is used to match a name of the highest priority view to a defined character ~~comprising a storage schema in the format of an Oracle database.~~
9. (Currently Amended) A client-server computer system according to claim 7 1, wherein said validation rules are represented in the form of Lightweight Directory Access Protocol.
10. (Currently Amended) A client-server computer system according to claim 3 1, wherein the validation rules are prioritized further comprising an Oracle database and a table-based system of rules organized into three hierarchically organized views.

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11. (Currently Amended) A client-server computer system according to claim 3 ~~1~~, wherein said storage schema is represented by Lightweight Directory Access Protocol and includes three hierarchically organized views.
12. (Currently Amended) A web server system comprising:
 - at least one web application;
 - means for performing validation service on data submitted by said at least one web application;
 - means for processing web forms;
 - means for storing and retrieving ~~a plurality of~~ validation rules for performing said validation service, the validation rules comprising at least three hierarchically organized views, with each view utilizing an execution sequence of validation methods; and
 - means for compiling validation rules into said at least one web application in order to perform said validation service.
13. (Currently Amended) A web server system according to claim 12, wherein the validation rules are organized as a table-based system ~~comprising means for updating validation rules compiled in said at least one web application.~~
14. (Currently Amended) A web server system according to claim 12, wherein the data to be validated is sorted according to a highest priority view ~~said means for storing and retrieving validation rules comprises an Oracle database.~~
15. (Original) A web server system according to claim 12, wherein said validation rules are stored in a schema in the form of Lightweight Directory Access Protocol.
16. (Currently Amended) A web server system according to claim 14, wherein the highest priority view contains data describing a name of the highest priority view and an application name, the application name differentiating field names from those in other

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~~applications said Oracle database contains a table-based system of rules organized into at least three hierarchically organized views.~~

17. (Currently Amended) A web server system according to claim ~~13~~ 14, wherein if the data to be validated does not contain an entry matching the highest priority view, then the data is sorted according to a second-highest priority view further comprising a schema in the form of Lightweight Directory Access Protocol and a table-based system of validation rules organized into at least three hierarchically organized views.
18. (Currently Amended) A web server system according to claim ~~14~~ 17, wherein if the data to be validated does not contain an entry matching the second-highest priority view, then the data is sorted according to generic validation functions said Oracle database stores validation functions stored as hierarchically organized views that are dynamically updateable by an external administrator.
19. (Currently Amended) A web server system according to claim ~~15~~ 17, wherein the validation rules check for a name of the second-highest priority view that matches a name of the highest priority view said storage schema represented by Lightweight Directory Access Protocol represents validation functions stored as hierarchically organized views that are dynamically updateable by an external administrator.
20. (Currently Amended) A web server system according to claim ~~12~~ 17, wherein the second-highest priority view contains data describing a generic string that is used to match a name of the highest priority view to a defined character comprising means for compiling Java servlet methods.
21. (Currently Amended) A web server system according to claim ~~20~~ 12, wherein the validation rules are prioritized comprising means to initiate a recompile of a web server in order to load validation rules.

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22. (Currently Amended) A computer-readable medium with instructions executable by a processor for providing a validation application service for web-based applications, the medium comprising instructions to:

couple a service request from a data device to a web server, the request including data to be validated;

generate a service session instruction, the service session instruction based at least in part on the service request;

send the service session instruction to one or more web servers, the service session instruction corresponding to one or more data validation requests from said customer data device;

compile at least one ~~Java-Server Page~~ page based on stored validation rules in a database, the validation rules comprising at least three hierarchically organized views, with each view utilizing an execution sequence of validation methods; and

send a validation service response to the data device, wherein the validation service response is based on the service request.

23. (Currently Amended) A method of providing validation data service with a web-based computer system comprising the steps of:

calling at least one ~~Java-server~~ page from a web application;

compiling said at least one ~~Java-server~~ page at a web server;

retrieving ~~a plurality of~~ validation rules from a centralized storage mass coupled to said web server, the validation rules comprising at least three hierarchically organized views, with each view utilizing an execution sequence of validation methods;

validating data from said web application in accordance with said validation rules.

24. (Currently Amended) A method according to claim 23, wherein the validation rules are organized as a table-based system further comprising the step of updating said validation rules by recompiling at least one Java server page.

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25. (Currently Amended) A method according to claim 23, further comprising sorting the data to be validated according to a highest priority view ~~comprising the step of calling a Java servlet method getValidation set.~~
26. (Currently Amended) A method according to claim ~~23~~ 25, wherein the highest priority view contains data describing a name of the highest priority view and an application name, the application name differentiating field names from those in other applications ~~further comprising the step of loading at least portion of said validation rules into objects.~~
27. (Currently Amended) A method according to claim ~~26~~ 25, if the data to be validated does not contain an entry matching the highest priority view, then sorting the data according to a second-highest priority view ~~further comprising the step of said Java server page directing JavaScript functions in accordance with said validation rules.~~
28. (Currently Amended) A method according to claim ~~26~~ 27, if the data to be validated does not contain an entry matching the second-highest priority view, then sorting the data according to generic validation functions ~~further comprising the step of periodically recompiling at least one Java server page.~~
29. (Currently Amended) A method according to claim ~~23~~ 27, further comprising checking the validation rules for a name of the second-highest priority view that matches a name of the highest priority view ~~the steps of deleting class files and recompiling at least one Java server page.~~
30. (Currently Amended) A method according to claim ~~29~~ 27, wherein the second-highest priority view contains data describing a generic string that is used to match a name of the highest priority view to a defined character ~~further comprising the step of loading updated validation rules.~~
31. (Cancel)

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- 32. (Cancel)
- 33. (Cancel)
- 34. (Cancel)
- 35. (Cancel)